

# Partnering with VDOT to make I-81 Safer for Everyone!



***STAR Team represents  
7,000 (+) employees  
currently in the  
Commonwealth!***



**Team Leaders: KBR & Koch**





This tanker truck's driver, Thomas Bradley Hurt, 51, of Hardy, died early Tuesday morning at the scene of this accident on Interstate 81 in Bedford County. The tanker hit a parked state police cruiser, then overturned, spilling more than 7,000 gallons of diesel fuel into Beecher Branch, a tributary of Mill Creek.

## I-81 accident kills trucker

A state trooper had pulled over a van for a traffic violation when the tanker struck her cruiser.

By LINDSEY KANE  
THE ROANOKE TIMES

A three-vehicle crash in Bedford County on Tuesday evening killed one man, injured a Virginia State Police trooper and caused more than 7,000 gallons of diesel fuel to spill.



Virginia State Trooper Angel Graham's police cruiser sits on a flatbed wrecker. The car, with the trooper inside, was struck by a tanker truck.

near of Graham's cruiser. When dispatchers radioed Graham with the results of her license check, there was no answer. Another trooper called state police minutes later to tell them of the crash.

The impact was at the left rear of Graham's cruiser and crushed the left side, Ross said. The windows were broken out, the trunk collapsed and the car was smashed against the

# THE ROANOKE TIMES VIRGINIA

MONDAY, JANUARY 20, 2003

## ACCIDENT ON INTERSTATE 81 INJURES WOMAN



river of a 1996 Ford Explorer from wreckage Sunday a rt utility vehicle veered off the interstate and flipped be joke was in stable condition late Sunday.

# VIRGINIA

TUESDAY, MARCH 4, 2003

## WRECK ON INTERSTATE 81



JOHN MELTZER / THE ROANOKE TIMES

A ROANOKE COUNTY medics shields the sun from the eyes of the driver of one of two tractor-trailers involved in an accident with a car in the northbound lane of Interstate 81 on Monday morning. Story on

# THE ROANOKE TIMES

ROANOKE, VIRGINIA

SUNDAY, JANUARY 16, 2000



DEAN MUKLEVICZ JONATHAN NABORS

LEAH NABORS DOUG AUSTIN

BRIAN LEE HAROLD BOSTWICK

ZAHREAH DICKS STEVEN DUNHAM

RALPH LASSITER JR. ALBERT KIEHL

IRENE KIEHL



ROBERT GARRARD III

JOHN RONAYNE

MARQUES HAMPTON

ANTOINETTE HAMPTON

ROBERT SCHWATKA

# Lives lost

ON INTERSTATE 81

Last year, 19 people were killed on our stretch of the interstate.



## Father, Son Killed In I-81 Truck Wreck

The student apparently was trying to pull into the left lane when a tractor-trailer crashed into the rear of his Lexus, police said.

By MATT CHITTUM  
THE ROANOKE TIMES

A Washington and Lee University senior on his way back to school after Thanksgiving break

The death marked the 11th this year on the stretch of Interstate 81 between Wythe County and Rockbridge County.

Traffic was stop-and-go on northbound I-81 at the time of the 8:15 p.m.



Owings

tractor-trailer's cab and an embankment, Warren said.

Owings was alive when emergency workers reached him, but died before he could be extracted from the wreck, Warren said. He was pronounced dead at the scene about 10 p.m. Pierce Owings was treated at Stonewall Jackson Hospital and released.

The truck's driver, Steven M. Rodgers, 40, of Cornersville, Tenn., was charged with reckless

week away, the college is providing buses to take students to a memorial service at 10 a.m. Thursday in Atlanta. The buses will leave at 9 a.m. Wednesday. Friends and family of the Owings have offered to put up students who attend the service.

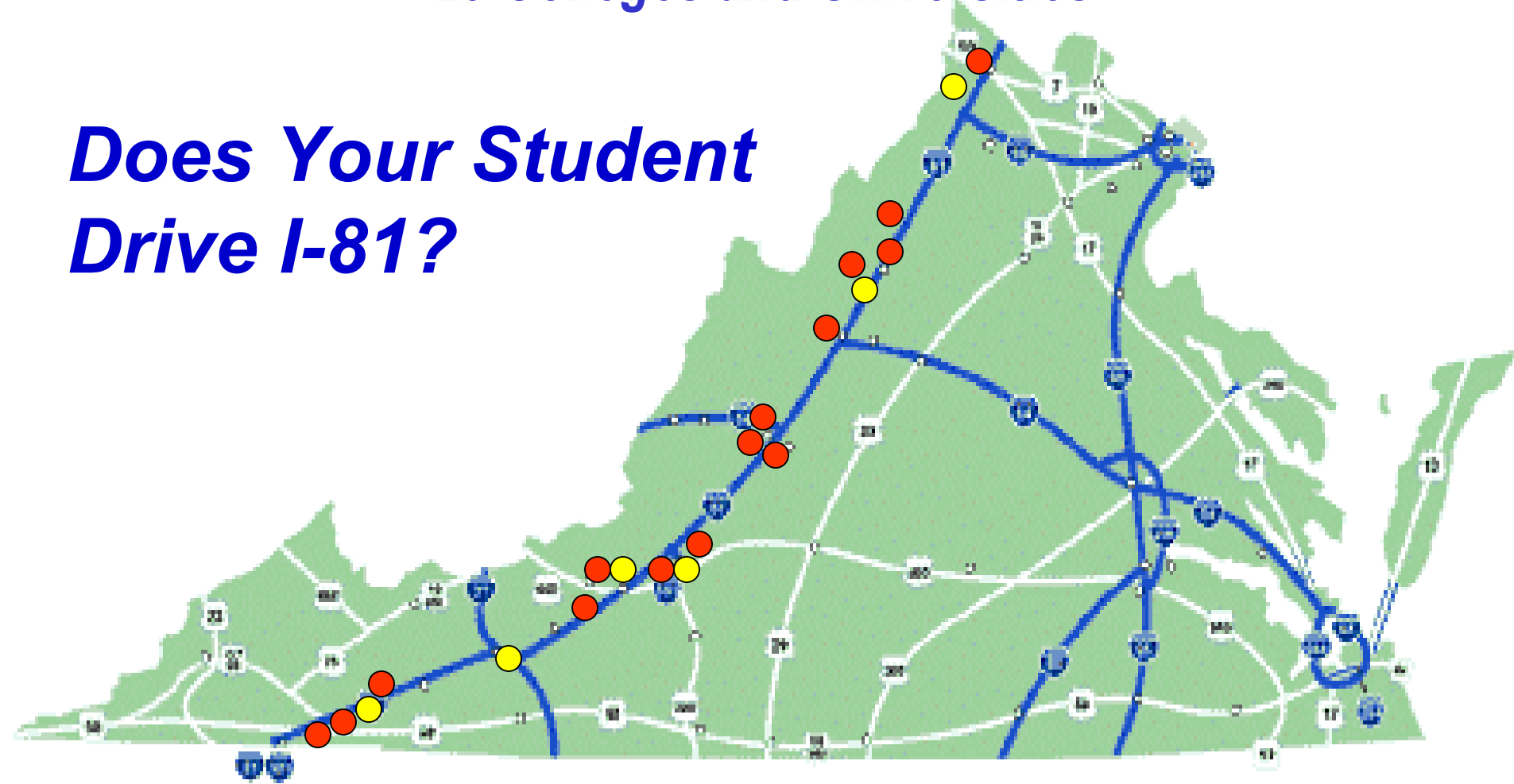
Owings' death reverses a trend of fewer deaths on this stretch of I-81 in the last four years. Ten people died on the highway last year, down from 26 in



# *I-81, The Commonwealth's Education Corridor!*

## *29 Colleges and Universities*

***Does Your Student  
Drive I-81?***







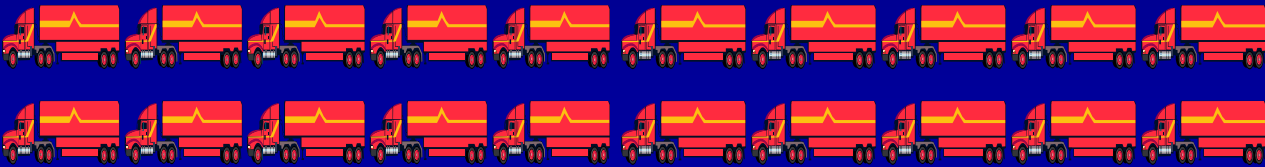


**Universities**



**Community Colleges**

# I-81 Average Daily Truck Traffic\*

1971			1,700
1997			10,000
		 (U.S. Average Interstate Truck Traffic)	3,500
2020			20,000

\* Freight Capacity for 21<sup>st</sup> Century,  
Transportation Research Board, 2003

 = 1,000 Trucks



# Existing



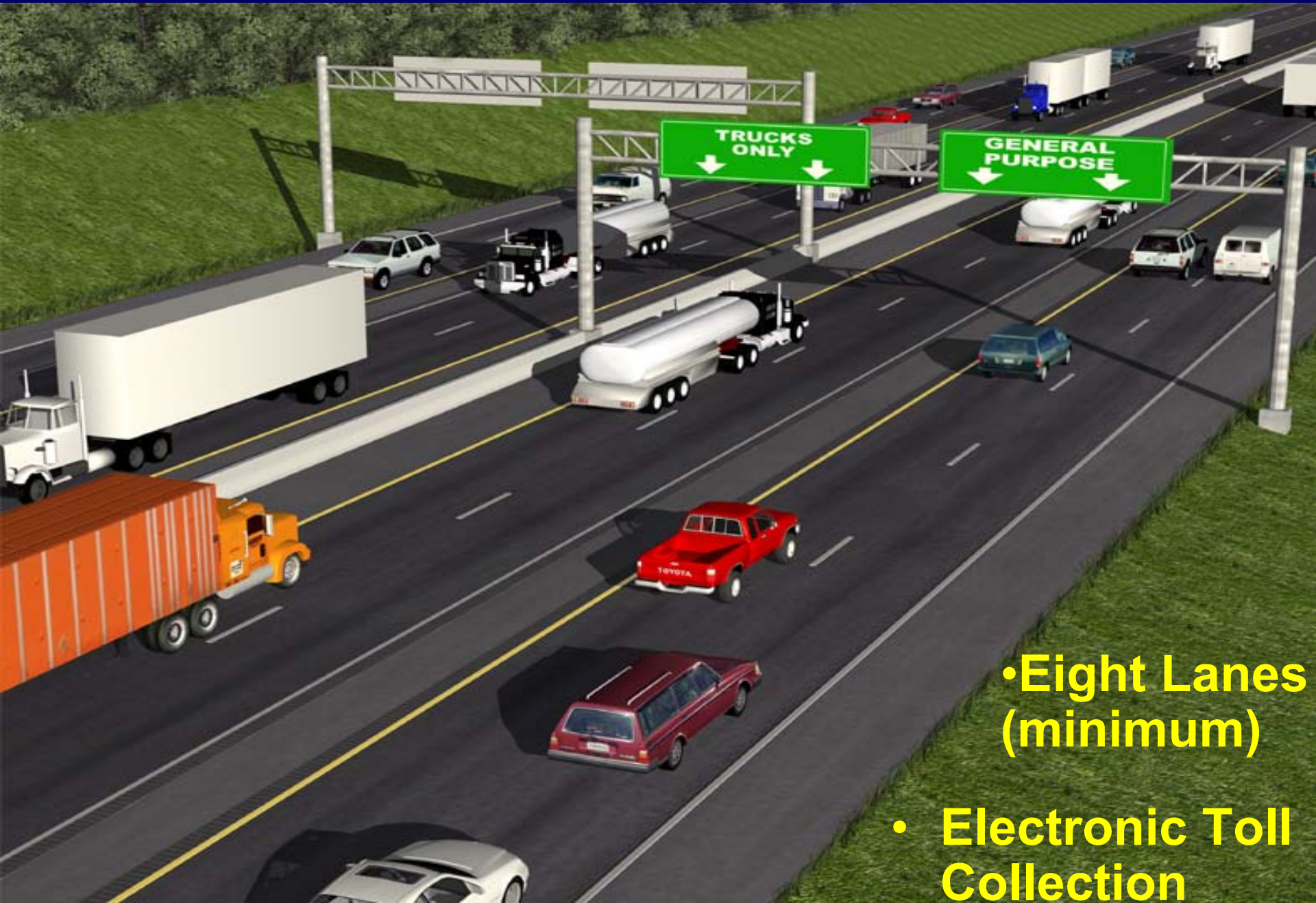


***Proposed!***





# Safe and Freight Efficient (S.A.F.E.) Lanes



- Eight Lanes (minimum)

- Electronic Toll Collection



# Why Trucks in the “Inside Lanes” ?

**Majority of trucks have no origin or destination along I-81**



**Safety concerns for local traffic merging through the “wall of trucks”**



# Flyover Ramps







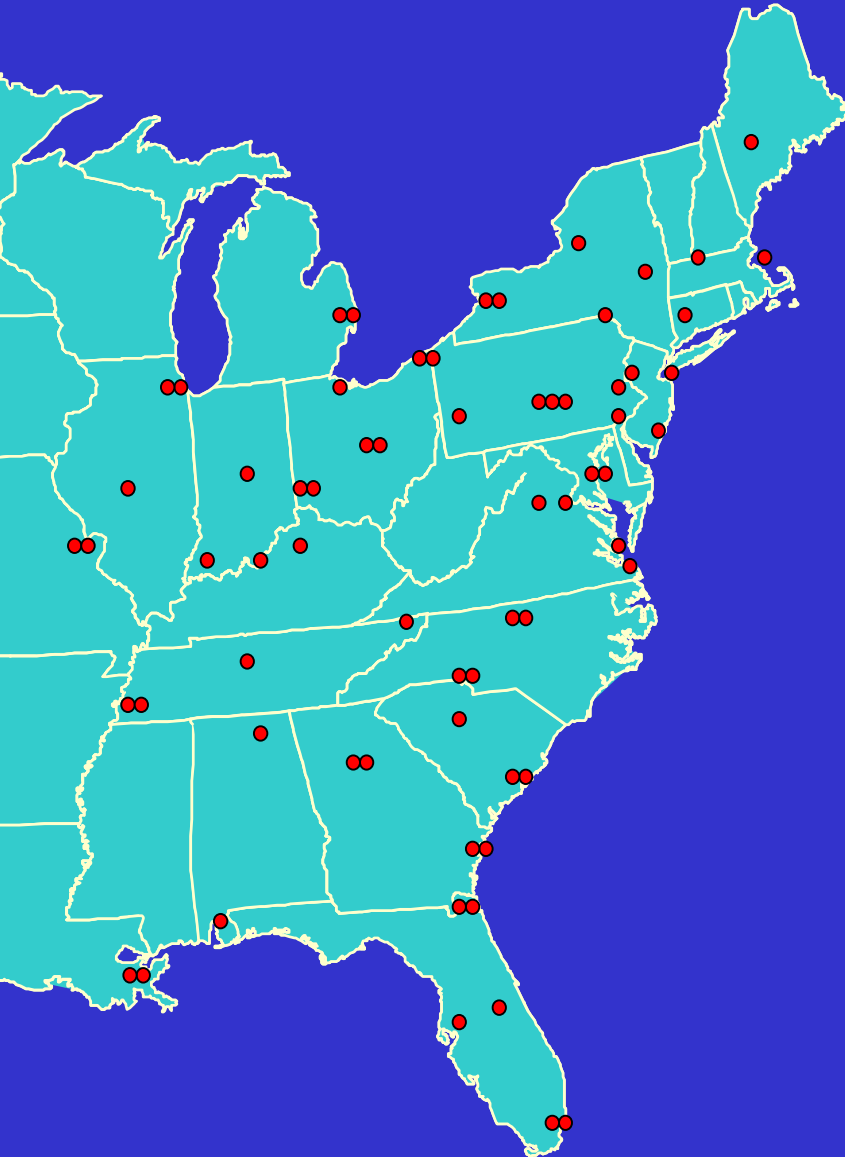


## **Truck Rest Areas**

- **Six Locations**
- **200 Spaces each**



# East Coast Intermodal Facilities



**“Intermodal freight transport has been the fastest growing major segment of traffic for the U.S. freight railroad industry...**

*The Value of Rail Intermodal to the U.S. Economy, September 2002*

**U.S. railroads move more than four times as much freight as do all of Western Europe's freight railroads combined.**










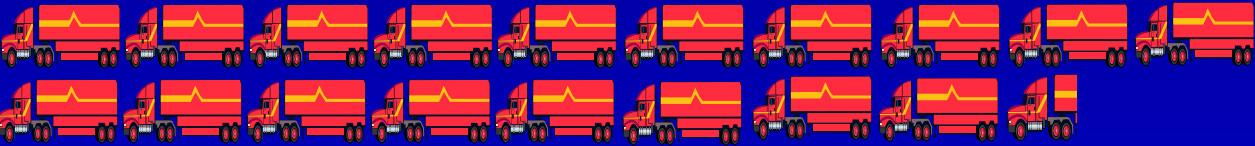
**Both the U.S. and Canada set records for intermodal traffic during 2003, as total volume topped 12 million units for the first time.**

*Association of American Railroads*

**United Parcel Service....the largest single customer of the railroads, providing \$1.8 billion of revenue a year – about 5 percent of all railroad revenue.**

*The Washington Post, June 26, 2003*

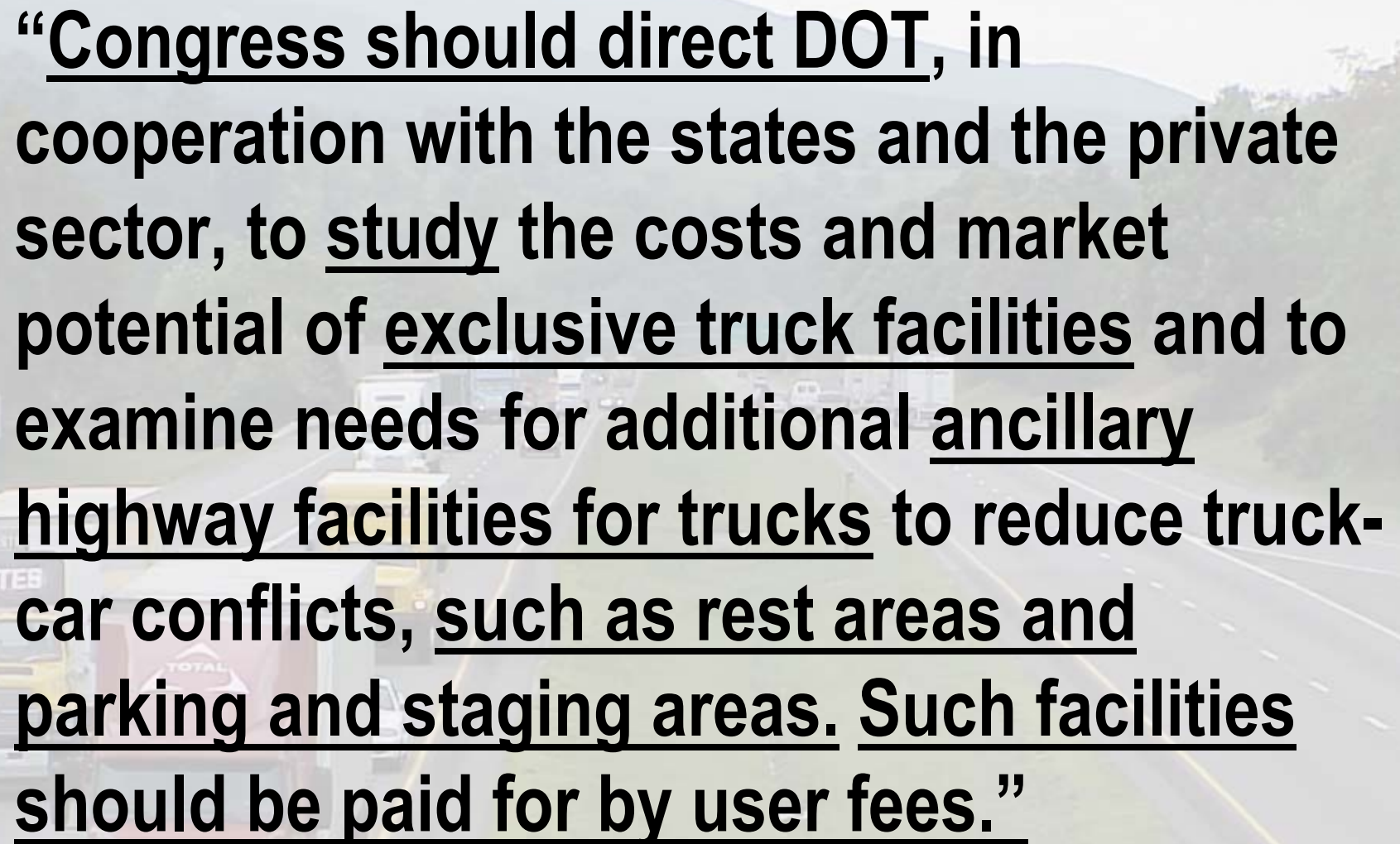
# I-81 Average Daily Truck Traffic\*

1971			1,700
1997			10,000
		 (U.S. Average Interstate Truck Traffic)	3,500
2020			20,000
		(Less potential diversion to rail per STAR plan) 	1,500
			18,500

\* Freight Capacity for 21<sup>st</sup> Century,  
Transportation Research Board, 2003

 = 1,000 Trucks




The background of the slide is a photograph of a multi-lane highway. In the foreground, a red Volvo truck is driving away from the camera. To its left, a yellow truck with 'ESTES' on its side is visible. Further back, a white truck with 'TOTAL' on its side is also visible. The highway stretches into the distance, flanked by green hills under a clear sky.

**“Congress should direct DOT, in cooperation with the states and the private sector, to study the costs and market potential of exclusive truck facilities and to examine needs for additional ancillary highway facilities for trucks to reduce truck-car conflicts, such as rest areas and parking and staging areas. Such facilities should be paid for by user fees.”**

***Freight Capacity for the 21<sup>st</sup> Century***

***Transportation Research Board, 2003***

# **Advantages of STAR Proposal**

- ***Improved Safety***
    - ***For both cars & trucks***
  - ***Long-Term Solution to I-81 congestion***
    - ***8 new lanes (minimum)***
  - ***20 year pavement warranty***
    - ***Additional savings to Commonwealth***
  - ***Enhanced Intermodal Options***
    - ***1,500 trucks/day diverted to rail***
  - ***Work goes to Virginia firms***
    - ***STAR proposal will generate 250,000 jobs***
- 



# **Value to Commonwealth !**

**Delivery of \$7.9 billion I-81 project**

**– *No Commonwealth or CTB debt***

**Federal earmarks for separated SAFE lanes**

**– *New money to Virginia***

**KPRI pavement warranty**

**– *Reduced costs***

**No action required by General Assembly**

**– *No tolls on cars***



***STAR is focused.....***





***...preserving the beauty of the Valley!***









**Partnering with VDOT to make  
I-81 Safer for Everyone!**



**Together we can  
make it happen!**



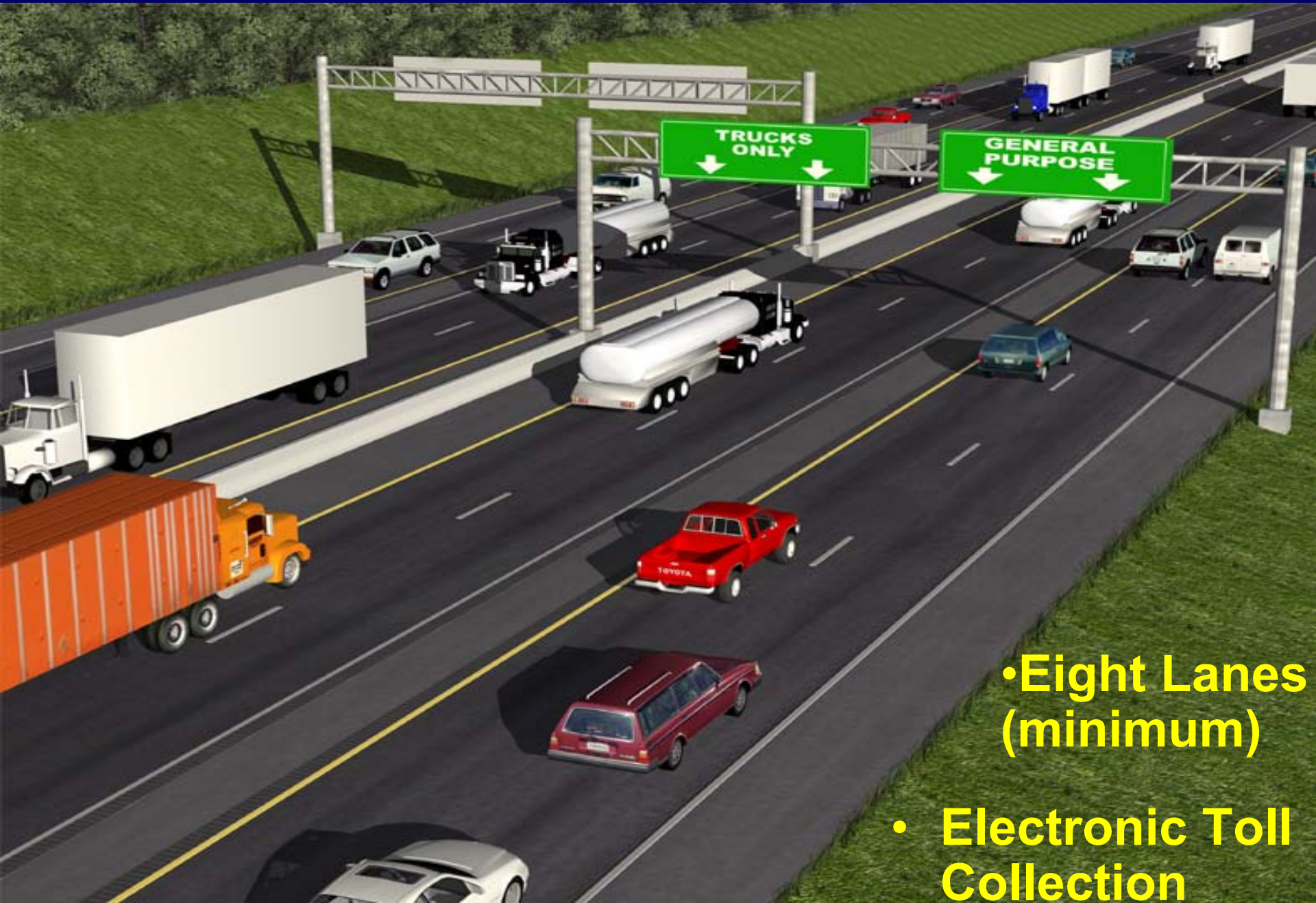


# Flyover Ramps





# Safe and Freight Efficient (S.A.F.E.) Lanes



- Eight Lanes (minimum)

- Electronic Toll Collection



# The NEPA Process ensures local involvement

## Interchanges

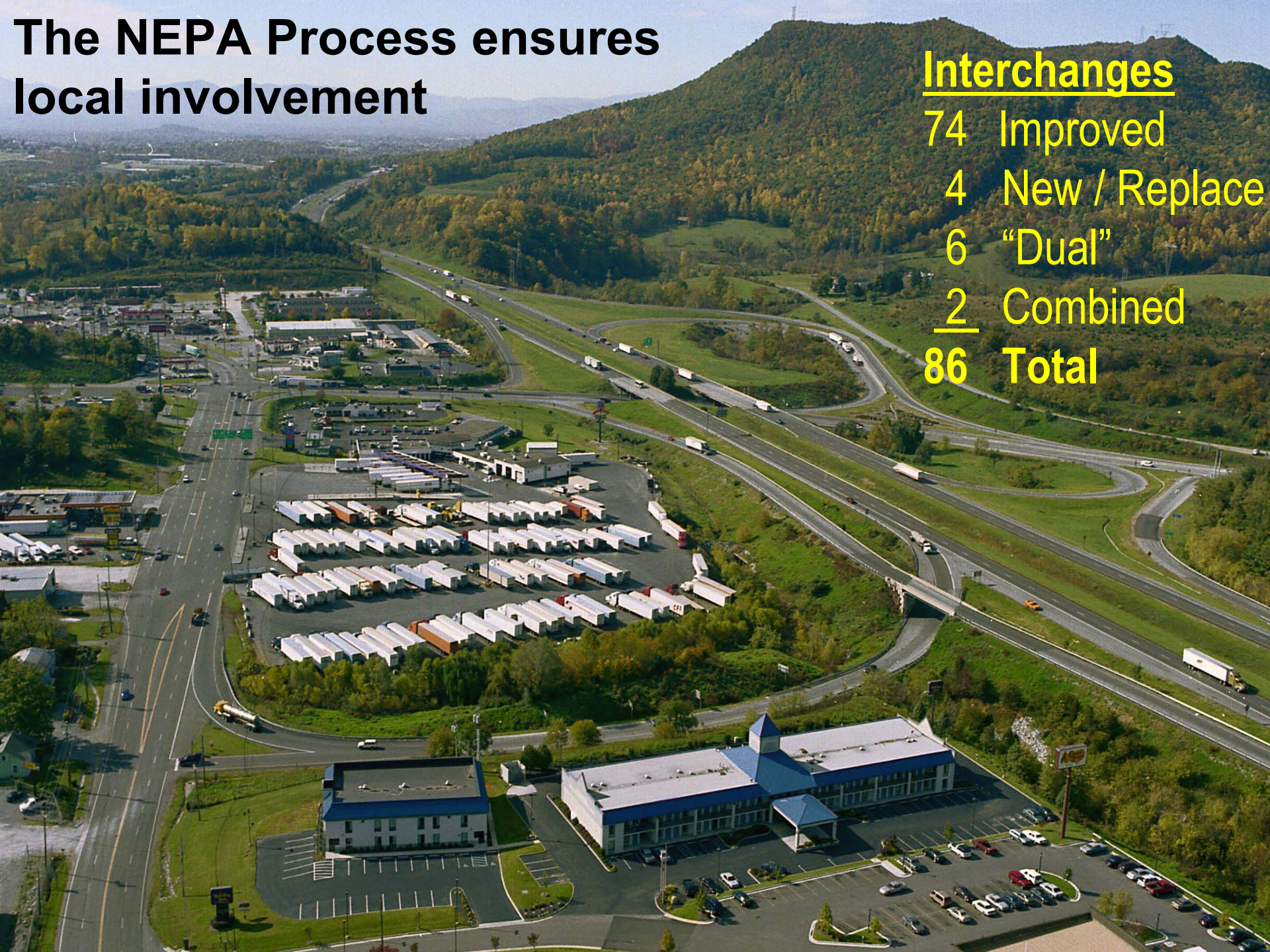
74 Improved

4 New / Replace

6 "Dual"

2 Combined

**86 Total**





# Bridges

105 Retrofit / Widen

245 Replace

38 New

388 **Total**





# Electronic Tolling

- **100% Open Road Tolling system**
- **No booths, coin baskets or gates**
- **Uses RFID (Radio Frequency Identification) technology.**



# Potential Truck to Rail Conversion

560,000 per year

1,500 per day

One per minute !

Trucking & Rail  
***Compliments !***  
Rail & Trucking

